

# AbhiRam Reddy Vundhyala

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## EDUCATION

**SVKM's Narsee Monjee Institute of Management Studies, Hyderabad**

Sep 2022 – Present

*Bachelor of Technology in Computer Science and Engineering*

*Telangana, India*

## EXPERIENCE

**Mahabubnagar District Administration**

Feb 2025 – Present

*Software Developer Intern, Hostel Survey Application*

*Mahabubnagar, Telangana, India*

- Developed a **scalable** digital survey system commissioned by the Additional District Collector using **Java**, **Android**, and **web technologies** (HTML, Tailwind CSS, JS) to monitor food quality and hygiene across **100+** hostels.
- Collaborated with a **4-member** cross-functional team to build a **high-performance mobile app** and **web portal**, enabling **real-time** inspections for **13** mandals.
- Implemented **clean, modular** code using **OOP principles** for seamless **data integration**.
- Followed **agile methodologies** throughout the SDLC to deliver timely product iterations. Continuing deployment after completing development, with rigorous **testing** for **system reliability**.

## PROJECTS

**YouTube Video Engagement Rate Prediction** | *Python, Machine Learning, NLP*

**Oct 2024**

- Developed an **predictive analytics system** for **YouTube engagement rate prediction**, utilizing the **YouTube API**, **machine learning algorithms** (**Linear Regression**, **Decision Trees**, **Random Forests**, **K-Means clustering**), and **Natural Language Processing (NLP)** techniques.
- Extracted and analyzed** key metrics (**views**, **likes**, **comments**, **publishing patterns**) using **vectorization** and **data visualization**, enabling **content creators** to **optimize their video strategies** and **increase audience engagement**.

**Enterprise Management System Web Application** | *HTML, CSS, JS, Firebase*

**April 2024**

- Engineered** a **full-stack, data-driven** Enterprise Management System using **HTML**, **CSS**, and **JavaScript** to **automate key operations** and **centralize business intelligence**.
- Integrated Firebase Realtime Database** to **stream live data**, replacing manual tracking and enabling **accurate, real-time reporting** and decision-making.

**RO Water Plant Management System Android Application** | *Android Studio, Firebase, Java*

**Jan 2025**

- Engineered** a native **Android application** in **Java** to **streamline logistics** and **financial oversight** for RO water plant businesses, using **Firebase** for live tracking of drivers, trips, and revenue.
- Implemented interactive dashboards** to visualize financial data, providing **actionable insights** that **optimized daily operations** and **boosted profitability**.

## TECHNICAL SKILLS

**Languages:** C++, Python, R, HTML, CSS, JavaScript, Java, Node.js, React.js

**Frameworks and Libraries:** NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, TensorFlow/Keras, Flask

**Databases and Developer Tools:** MySQL, MongoDB, phpMyAdmin, Firebase, VS Code, Anaconda, Power BI

**Other Technologies:** Microsoft Excel, OpenCV, Android Studio, Git/GitHub, Canva, Amazon AWS, Google Cloud

## LEADERSHIP & ACHIEVEMENTS

- Led event planning and execution** for the Live Band performance at NM Tech Festa.
- Secured 2nd Place (Runner-up)** in the CodeIT Webathon competition.
- Competed in global and national-level events including the **IBM Z Datathon** and **Apoorv CTF Hackathon**.

## CERTIFICATIONS

- Cloud Certifications:** AWS Cloud Foundations (AWS) • Google Cloud Foundations (Google)
- Machine Learning with Python** (IBM) • **Introduction to Data Science** (Cisco)
- Python Programming** • **Data Visualization with Python** (Kaggle)
- Career Essentials in Data Analysis** (Microsoft and LinkedIn)